

## **AMENDMENTS TO THE CLAIMS**

The following is a complete listing of revised claims with a status identifier in parenthesis.

### **LISTING OF CLAIMS**

1. (Previously Presented) A diagnostic system for a device using X-radiation during examination, comprising:
  - a CCD camera;
  - a device for generating external trigger pulses; and
  - a system control, configured to control, in the absence of X-radiation, a readout of the CCD camera without a desired signal including image information at regular time intervals, the system control being further configured to control, when an external trigger pulse occurs at a point in time at which no readout of the CCD camera is to take place, triggering of a read out of the CCD camera without a desired signal including image information and subsequently triggering an exposure of the CCD camera, and wherein, when an external trigger pulse occurs at a point in time at which a readout of the CCD camera is to take place, a readout without a desired signal including image information is suppressed before an exposure of the CCD camera.
2. (Currently Amended) The diagnostic system as claimed in claim 1, wherein, when an external trigger pulse occurs at a point in time at which a readout of the CCD camera is to take place, the [[X-ray]] diagnostic system is immediately triggered for the emission of X-radiation and the useful signal is subsequently read out.
3. (Currently Amended) The diagnostic system as claimed in claim 1, wherein, when an external trigger pulse occurs at a point in time at which no readout of the CCD camera is to take place, a readout without a useful

signal is initially carried out and then the [[X-ray]] diagnostic system is subsequently triggered for the emission of X-radiation via an X-ray emitter.

4. (Previously Presented) The diagnostic system as claimed in claim 1, wherein the device for generating external trigger pulses is an ECG electrode.
5. (Currently Amended) The diagnostic system as claimed in claim 1, wherein the device for generating external trigger pulses is a phase angle an angle sensor mounted at a C-arm of the diagnostic system.
6. (Currently Amended) The diagnostic system as claimed in claim 2, wherein, when an external trigger pulse occurs at a point in time at which no readout of the CCD camera is to take place, a readout without a useful signal is initially carried out and then the [[X-ray]] diagnostic system is subsequently triggered for the emission of X-radiation via an X-ray emitter.
7. (Previously Presented) The diagnostic system as claimed in claim 2, wherein the device for generating external trigger pulses is an ECG electrode.
8. (Previously Presented) The diagnostic system as claimed in claim 3, wherein the device for generating external trigger pulses is an ECG electrode.
9. (Previously Presented) The diagnostic system as claimed in claim 6, wherein the device for generating external trigger pulses is an ECG electrode.

10. (Currently Amended) The diagnostic system as claimed in claim 2, wherein the device for generating external trigger pulses is a phase angle an angle sensor mounted at a C-arm of the diagnostic system.
11. (Currently Amended) The diagnostic system as claimed in claim 3, wherein the device for generating external trigger pulses is a phase angle an angle sensor mounted at a C-arm of the diagnostic system.
12. (Currently Amended) The diagnostic system as claimed in claim 4, wherein the device for generating external trigger pulses is a phase angle an angle sensor mounted at a C-arm of the diagnostic system.
13. (Currently Amended) The diagnostic system as claimed in claim 6, wherein the device for generating external trigger pulses is a phase angle an angle sensor mounted at a C-arm of the diagnostic system.
14. (Currently Amended) The diagnostic system as claimed in claim 7, wherein the device for generating external trigger pulses is a phase angle an angle sensor mounted at a C-arm of the diagnostic system.
15. (Currently Amended) The diagnostic system as claimed in claim 8, wherein the device for generating external trigger pulses is a phase angle an angle sensor mounted at a C-arm of the diagnostic system.
16. (Currently Amended) The diagnostic system as claimed in claim 9, wherein the device for generating external trigger pulses is a phase angle an angle sensor mounted at a C-arm of the diagnostic system.
17. (Currently Amended) A diagnostic system for a device using X-radiation during examination, comprising:
  - a CCD camera;

means for generating an external trigger pulse; and  
means for, when an external trigger pulse is generated at a time when no  
readout of the CCD camera is to take place, providing a readout of the  
CCD camera without a desired signal including image information before  
an exposure of the CCD camera, and for, when an external trigger pulse is  
generated at a time when a readout of the CCD camera is to take place,  
~~suppressing~~ suppressing a readout without a desired signal including  
image information before an exposure of the CCD camera.

18. (Previously Presented) The diagnostic system as claimed in claim 17,  
wherein the diagnostic system is for a device using X-radiation during  
examination and wherein the means for providing is configured such that,  
in the absence of X-radiation, a readout of the CCD camera without a  
useful signal takes place at regular time intervals.
19. (Currently Amended) The diagnostic system as claimed in claim 17,  
wherein, when an external trigger pulse occurs at a point in time at which  
a readout of the CCD camera is to take place, the [[X-ray]] diagnostic  
system is immediately triggered for the emission of X-radiation and the  
useful signal is subsequently read out.
20. (Currently Amended) The diagnostic system as claimed in claim 17,  
wherein, when an external trigger pulse occurs at a point in time at which  
no readout of the CCD camera is to take place, a readout without a useful  
signal is initially carried out and then the [[X-ray]] diagnostic system is  
subsequently triggered for the emission of X-radiation via an X-ray  
emitter.
21. (Previously Presented) The diagnostic system as claimed in claim 1,  
wherein the external trigger pulses are generated in a non-predetermined  
fashion.

22. (Previously Presented) The diagnostic system as claimed in claim 1, wherein the external trigger pulses are generated in a non-periodic fashion.
23. (Previously Presented) The diagnostic system as claimed in claim 17, wherein the external trigger pulses are generated in a non-predetermined fashion.
24. (Previously Presented) The diagnostic system as claimed in claim 17, wherein the external trigger pulses are generated in a non-periodic fashion.
25. (New) A diagnostic system for a device using X-radiation during examination, comprising:
  - a CCD camera;
  - a device for generating external trigger pulses; and
  - a system control; wherein
    - the system control is configured to,
      - control a readout of the CCD camera without a desired signal including image information at regular time intervals in the absence of X-radiation,
      - control triggering of a read out of the CCD camera without a desired signal including image information and a subsequent triggering an exposure of the CCD camera when an external trigger pulse occurs at a point in time at which no readout of the CCD camera is to take place, and
      - wherein
        - a readout without a desired signal including image information is not performed before an exposure of the CCD camera when

an external trigger pulse occurs at a point in time at which a readout of the CCD camera is to take place.